# SYN921 Single Voltage Power Supply

**Power supply for SYN370B and SYN350B card chassis**

The SYN921 is a 3RU high power supply unit designed to fit into the SYN standard card chassis such as the SYN370B (single supply version) and SYN350B (dual supply version)

The SYN921 provides power to the SYN370B/350B chassis back plane on which are mounted fourteen / twelve 9-pin female D connectors through which +12V regulated DC voltage is fed to plug-in cards.

The SYN921 power supply unit is normally used as a power source. One SYN921 is capable of providing power for most combinations of plug-in cards. Check the current rating at 12VDC of all cards to be used within the chassis to confirm that the rating is not exceeded. Individual product datasheets provide the Chassis Current Consumption (CCC) for each plugin card: the total of these in the chassis must be less than the rating of the SYN921 Power Supply Unit, ie 6 Amps total.

The SYN921 supply has a built-in cooling fan. The cooling fan operates only when high temperatures are experienced on the power supply whilst under heavy load and/or high ambient temperatures. There is a Temperature Alarm LED on the front panel of the SYN921 that is green during normal operation and will be red when the operating temperature exceeds the normal operating limits of the supply.

**Features**

- Compact 3RU high, card unit
- SYN921 power supply can support any combination of SYN cards

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# Specifications

| GENERAL | |
|---|---|
| Operating Temperature | -20°C to 70°C |
| Relative Humidity | 0-95% Non-condensing |
| Input | 110 - 240vAC 50/60Hz |
| Ouput | +12V ±0.1V at 6 Amps |
| Indicators | +12V on LED<br>Temperature Alarm |
| Test Points | Positive voltage terminal on front panel<br>Ground voltage terminal on front panel |
| Output Regulation | Regulated to ± 0.1V at full load |
| Output Ripple | Typical peak to peak ripple at full load is less than 50mVpp |

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